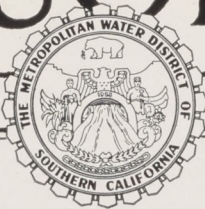


• COLORADO RIVER • AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT



OF SOUTHERN CALIFORNIA

VOLUME XXV

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An 86-foot pipe weighing 60,090 pounds, which will become part of the third pump delivery line at Iron Mountain Pumping Plant, is shown in the yard of the Southwest Welding and Manufacturing Company where the pipe was fabricated. Standing in front of the pipe, left to right, are John Lucas, Jr., son of the owner of the company, William Anderson, MWD Inspector, and W. E. (Bud) Walker, Company Foreman.

Construction Progress During Fiscal Year Told

Construction work on the Metropolitan Water District's huge expansion program was carried forward at an accelerated pace during the 1957-58 fiscal year ending June 30. Several phases of the program were brought to completion during this period, other work under way at the beginning of the fiscal period was pushed ahead, and new contracts were awarded and construction work started.

The total amount of construction work since the beginning of the expansion program in 1952 and completed by the end of the 1957-58 fiscal year involves an investment of approximately \$118,000,000. Work now under way but not yet completed totals about \$38,000,000 and contracts yet to be awarded will

call for an estimated additional investment of \$64,000,000.

Major features of the program which were completed during the fiscal year were a section of the lower feeder in southeastern Los Angeles County from La Habra Road to Garfield Avenue, the middle feeder from La Verne to Garvey Reservoir in Monterey Park, and the installation of pumping unit number six at each of the five pumping plants.

The completed western section of the lower feeder consists of 11.6 miles of 78-inch inside diameter pipe and was built under two contracts. The investment was \$8,200,000. The middle feeder consists of 21.1 miles of 72-inch diameter pipe and was constructed under three contracts. The total investment was \$12,600,000. The installation of pumping unit number six was completed in April, 1958 at a total cost

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Assembly Resolution Hails Colorado River Aqueduct

The Assembly of the California State Legislature recognizes the Colorado River Aqueduct as one of the greatest engineering and humanitarian accomplishments in America, Assemblyman Frank Lanterman of La Canada, stated recently.

Mr. Lanterman made his observations when he presented to the Board of Directors of the Metropolitan Water District an official copy of a resolution unanimously adopted by the Assembly during the recent legislative session. The resolution is officially inscribed and appropriately decorated in color in keeping with the traditional legislative practice as to commendatory resolutions.

The Assembly adopted the resolution

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AQUEDUCT NEWS
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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Construction Progress

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of \$5,000,000.

Work under way at the beginning of the fiscal year and still in progress includes the Culver City Feeder, the main aqueduct siphons east of the San Jacinto tunnel and the installation of pump delivery line number three at each of the five pumping plants.

The Culver City Feeder consists of 11.6 miles of 48-inch precast concrete pipe extending from the Palos Verdes Feeder at 57th Street and Fortuna westerly through Culver City. It is being constructed under two contracts and will cost about \$5,600,000. Both contracts have a completion date of July 21, 1958. One of the contracts is essentially completed and the other is more than 85 percent completed. The main aqueduct siphons consist of more than 12 miles of 13-foot and 13-foot 6 inch inside diameter precast concrete pipe. The siphons are being constructed under two contracts. The total investment will be \$17,500,000. The work of the combined contracts was more than 60 percent completed at the end of the fiscal year. Work on the installation of pump delivery line number three consists of fabricating and placing 1856 feet of 6-foot diameter steel pipe and 4939 feet of 10-foot diameter steel pipe. This work will represent an investment of \$4,700,000 and the contract bears a completion date of January 31, 1959. The work is now more than 65 percent completed.

New construction work started during the 1957-58 fiscal year includes the final link of the lower feeder, the second San Diego Aqueduct and the installation of pumping units seven, eight and nine at each of the pumping plants.

The final link of the lower feeder calls for an investment of \$14,750,000 and will consist of 14.3 miles of 96-inch welded steel pipe extending from the



Normal C. Hayhurst, who has been named Glendale's representative on the District Board of Directors. He succeeds Paul L. Burkhard.

N. C. Hayhurst Named As New District Board Member

Normal C. Hayhurst, President of the Fidelity Federal Savings and Loan Association of Glendale, has been named to represent Glendale on the Board of Directors of the Metropolitan Water District. He succeeds Paul L. Burkhard as the Glendale representative on the Board.

Mr. Hayhurst was born in Berryville, Arkansas. He received his Bachelor's Degree in Business Administration from the University of Arizona and his Master's Degree from the University of Southern California.

In 1917 he accepted a position in the athletic department of Glendale High School and in 1929 he entered the administrative department of the school system. From 1947 until his resignation in 1955 he held the position of superintendent of Glendale Schools. He has been President of Fidelity Federal Savings and Loan Association since 1940.

Santa Ana Canyon to near the east boundary of Los Angeles County. The contract bears a completion date of March 31, 1959, and the work is now more than 15 percent complete. This is the final link in the distribution system to serve the south coastal areas of Los Angeles and Orange Counties.

Two contracts involving an investment of \$9,900,000 have been awarded on the second San Diego Aqueduct. These contracts call for the construction of more than 18 miles of 75-inch

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For the RECORD

(The following items are noted from the report of General Manager and Chief Engineer Robert B. Diemer, filed June, 1958 covering District operations for May, 1958).

Colorado River—The water surface of Lake Mead rose 20.76 feet to elevation 1185.37 feet above sea level and usable storage increased 2,684,000 acre-feet to 21,907,000 acre-feet on May 31. Water storage at the end of May was 5,300,000 acre-feet less than the total storage capacity of the reservoir. Discharge at Hoover Dam averaged 18,300 cubic feet per second. Discharge at Parker Dam averaged 16,150 cfs.

Pumping and Power—Hayfield pumping plant delivered 47,933 acre-feet of Colorado River water in May for the distribution system and the San Diego Aqueduct. Pumping was continuously on a 4-pump basis throughout the month except for a 6-minute power outage on May 11 when all units were shut down. The District's system was out of parallel with the Edison, Parker-Davis and Hoover power systems for 3 minutes, 41 minutes and one minute, respectively. Peak deliveries to and from Edison Company were 115,500 kw and 90,000 kw, respectively.

Weymouth Softening and Filtration Plant—Colorado River water was softened from 329 ppm of hardness to 155 ppm at an average rate of 313 cubic feet per second during May. The daily rate of flow varied from 224 cubic feet per second to 462. A total of 19,008 acre-feet of water was treated during the month.

Construction—Construction work on the distribution system progressed as follows: Schedule 62P (Culver City Lateral) work is 81% complete; Schedules 63P and 64P (Culver City Lateral) work is 95% complete; Schedules 76SC, 77SC and 78SC (Lower Feeder) the contract is 13% complete.

Pumping Plant Expansion—The contract on installation of Pumping Units 7, 8 and 9 is 8% complete, and the contract on Pump Delivery Line No. 3 is 62% complete.

Siphon work on main aqueduct—Earp to Whitewater—Contracts 669 and 672, work is 57% complete.

Purchasing—The total expenditures in May amounting to \$247,105 were covered by 439 purchase orders and one agreement.



Assemblyman Frank Lanterman of La Canada, center, presents an Assembly resolution to Board Vice Chairman Warren W. Butler, right, and General Manager and Chief Engineer Robert B. Diemer, left. The resolution lauded the selection of the Colorado River Aqueduct as one of the "Seven Civil Engineering Wonders of the U.S."

Assembly Resolution

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following ceremonies when the American Society of Civil Engineers designated the great aqueduct system as one of the "Seven Engineering Wonders of the United States."

"I have the honor to present this resolution to your Board of Directors in behalf of the Assembly, as official evidence of the Assembly's recognition of the great Colorado River aqueduct system as a veritable life line for millions of people of Southern California," Mr. Lanterman told the Board of Directors.

The resolution reflects the statements of the national engineering society in paying tribute to the men who planned and built the Colorado River Aqueduct to bring Colorado River water across the desert ultimately to serve a great part of Southern California with more than one billion gallons of water daily.

Construction Progress

(Continued from Page Two)

pipe, both steel and precast concrete. One contract has a completion date of June 30, 1959 and is now approximately 10 percent completed. The other contract, with work soon to start, has a completion date of August 31, 1959. The District will construct the line to a point 5.9 miles into San Diego County. The District's investment will

Special Counsel Howard Tells Progress of Trial

Special Counsel James H. Howard made a detailed report to the Metropolitan Water District Board of Directors on June 10 on the progress of the Supreme Court suit *Arizona vs. California* over water rights on the Colorado River.

Mr. Howard described the testimony that was presented by the various parties to the suit during the latest in a series of hearings before Special Master Simon H. Rifkind in San Francisco.

The parties presenting evidence at the hearings held from May 2 to May 19 included the United States and the States of Nevada, New Mexico and Utah, Mr. Howard told the Board.

At the next hearings, scheduled to start July 1, the program calls for Arizona to commence its rebuttal.

be about \$22,000,000. Other contracts on this line will be awarded during the 1958-59 fiscal year.

The installation of pumping units seven, eight and nine is being carried forward under a \$2,126,536 contract bearing a completion date of December 31, 1959. The total investment for these units will be approximately \$17,500,000. The work is now approximately 10 percent completed.

Other contracts for various phases of the expansion program, including such

Director Fischer Honored By Beverly Hills Chamber

Director Floyd E. Fischer, who represents Beverly Hills on the Metropolitan Water District Board of Directors, was one of two leading Beverly Hills citizens honored at a testimonial luncheon on June 13. The luncheon was held in the Crystal Room of the Beverly Hills Hotel and was sponsored by the Beverly Hills Chamber of Commerce and Civic Association. The other honoree was retiring Judge Charles J. Griffin.

Mr. Fischer, a former Mayor and City Councilman of Beverly Hills, was presented with a bronze plaque which bears the following inscription: "To Floyd E. Fischer on the Tenth Anniversary of his selfless and magnificent contribution to the civic and cultural growth of Beverly Hills as Councilman and Mayor. Presented by Beverly Hills Chamber of Commerce, June 13, 1958."

Director Fischer has been a member of the District Board since 1951 and is presently serving on the Board's Organization and Personnel Committee and on the Finance and Insurance Committee.

Director Hellis Retires As Head of Irvine Company

Mr. W. B. Hellis, one of the representatives of the Orange County Municipal Water District on the Metropolitan Water District Board of Directors, has announced his retirement from the Irvine Company after more than 40 years of service, the last 25 as General Manager.

Director Hellis joined the agricultural company as a young man and after 15 years as a field man and in other capacities he became General Manager. During this time he also devoted a great deal of effort to public service. For 20 years he headed the Santa Ana Community Hospital Board of Directors. He also directed grower cooperatives and serves on the Board of Directors of the Orange County Municipal Water District.

He has been a member of the Metropolitan Water District Board since 1955. He is presently serving on two Board Committees, the Land Committee and the Water Problems Committee.

items as the siphons west of the San Jacinto tunnel, the enlargement of Lake Mathews and the balance of the San Diego Aqueduct to be built by the District are yet to be awarded. Major items in the expansion program will be completed in 1960.

NEWS FROM FIELD AND OFFICE



Samuel B. Thomason—25 Years of Service.

Samuel B. Thomason became eligible for his 25-year service pin on June 12, 1958. He was first employed by the District in 1933 as a Groundman for work on the electric power and telephone lines during construction of the Aqueduct. He soon became a Patrolman, serving in that capacity throughout the major part of the initial construction period. Later he acted as Foreman during the installation of overhead ground wires on the District's 230,000 volt transmission lines. Since then he has been assigned to the patrol and maintenance of telephone facilities between Lake Mathews and Whitewater.

* * *

Ethel V. Lockhart, District Right of Way Agent, is the author of an excellent article in the June issue of "Right of Way," the official publication of the American Right of Way Association. In her article Miss Lockhart tells how she became Right of Way Agent, describes some of her experiences and gives a few pointers on how she handles negotiations in obtaining difficult rights of way.

* * *

The annual picnic for District employees, their families and friends, will be held at the San Dimas Foothill Park in San Dimas on July 13. The dinner will be pot-luck and every family is asked to bring a family serving of either a main dish, salad or dessert. Drinks and ice cream will be furnished. A donation of 75 cents per family is requested to defray the cost of the drinks, ice cream and game prizes for the youngsters.

Controller Albert W. McKinlay, who has been recuperating from a serious illness, was in the Good Samaritan Hospital during the latter part of June under observation and receiving further medical treatment.

* * *

Dr. Carl Kane, District Physician, was featured in a picture story in a recent issue of "Scope," a magazine published for the Upjohn Company. The article included 11 pictures of the Doctor making his daily rounds tending to the ails of District employees and other residents of the area. The article described the weekly trips he makes to the various District installations and the other services he renders to the colorful inhabitants along his tours.

* * *

Senior Photographer-Blueprinter Anthony (Tony) Lugo has received a letter from County Cork in Ireland notifying him that he held a winning ticket for one of the \$280 consolation prizes in the recent Irish Sweepstakes.

Margaret Whaples, wife of Ray Whaples, Administrative Assistant at Gene Village, passed away on June 17 after a protracted illness. A number of the District officials and employees attended graveside services held at Forest Lawn Cemetery in Glendale on June 20. Mrs. Whaples is survived by her husband and a daughter, Mrs. Jane Crumly of Chula Vista.

* * *

Chester G. Olson, District Treasurer, is recuperating at his home after undergoing abdominal surgery for a benign tumor. Chester entered the Glendale Sanitarium and Hospital on May 28 and was discharged June 21. He is feeling much better and hopes to be back at his desk around the first of August.

* * *

Jack Dwyer, Accountant in the Los Angeles office, is recovering from a severe attack of virus pneumonia which had him laid up in St. Vincent's Hospital for more than a month. Jack is now recuperating in Chicago with his mother looking after him, but hopes to be back on the job by mid-July.



Beatrice Miyake, left, Junior Clerk in Construction-Design, was presented with a number of gifts from her many District friends prior to her marriage on June 7 to Herbert Karimoto. She received a Sunbeam Fry Pan, a Sunbeam Deep Fryer and a General Electric Clock Radio. Officiating at the presentation were Assistant Chief Engineer Robert A. Skinner and Fannie Mae Fink, Mr. Skinner's Secretary.